

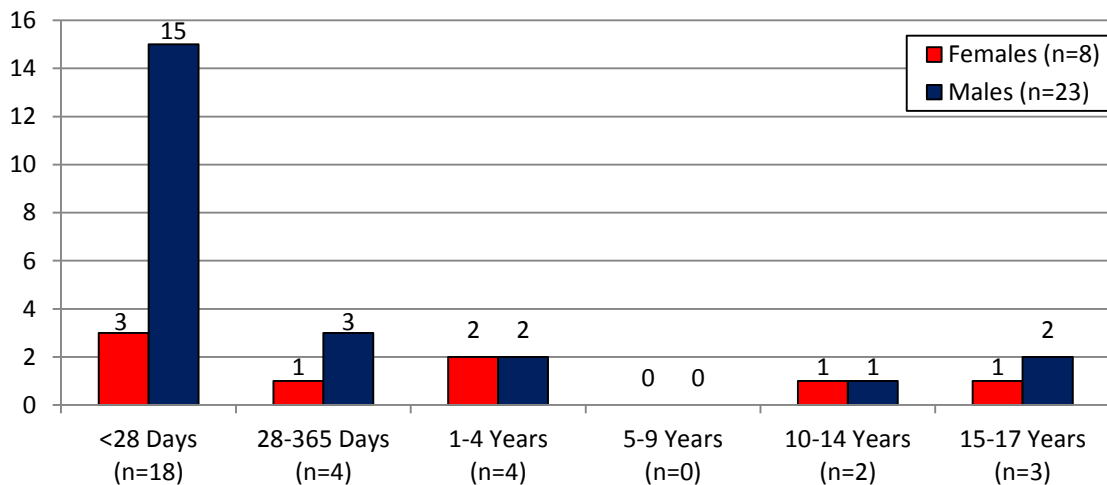


## 2010 CHILD FATALITY REVIEW FOR YUMA COUNTY

### DEMOGRAPHICS

This report provides information on the deaths of children who were residents of Yuma County. During 2010, there were 31 deaths among Yuma County residents younger than 18 years of age. Males accounted for 74 percent of child deaths (n=23) and females accounted for 26 percent (n=8). Figure 1 shows deaths among children by sex and age group.

**Figure 1. Deaths Among Children by Sex and Age Group,  
Yuma County, Arizona 2010 (n=31)**

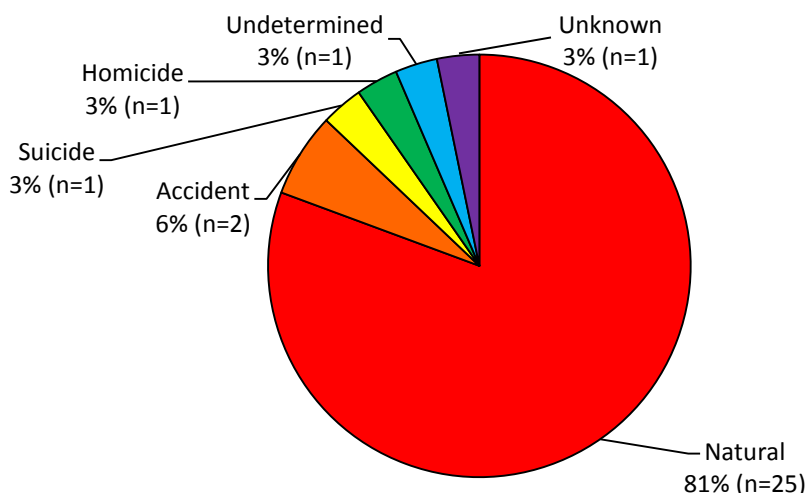


Deaths were slightly over-represented among Hispanic children in this county. Hispanic children comprised 76 percent of the population but 77 percent of the fatalities (n=24). White, Non-Hispanic children were also over-represented. White, Non-Hispanic children comprised 18 percent of the population in this county but 23 percent of the fatalities (n=7).

## CAUSE AND MANNER OF CHILD FATALITIES

Eighty-one percent of deaths were due to natural manners (n=25), and six percent of deaths were due to accidents (n=2). There was one suicide, one homicide, one undetermined death and one death of an unknown manner among Yuma County child residents in 2010 (three percent each). Figure 2 shows deaths among children by manner.

**Figure 2. Deaths Among Children by Manner, Yuma County, Arizona 2010 (n=31)**



Seventeen deaths were due to medical causes and nine children died from prematurity. Two children drowned, and one child died by hanging. Two children died from other injuries. Table 1 shows deaths among children by cause and manner.

**Table 1. Deaths Among Children by Cause and Manner, Yuma County, Arizona 2010 (n=31)**

Cause	Natural	Accident	Suicide	Homicide	Undetermined	Unknown	Total
Medical*	16	0	0	0	0	1	17
Prematurity	9	0	0	0	0	0	9
Drowning	0	2	0	0	0	0	2
Hanging	0	0	1	0	0	0	1
Other injury	0	0	0	1	1	0	2
<b>Total</b>	<b>25</b>	<b>2</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>31</b>

\*Excluding Prematurity and SIDS

## PREVENTABILITY

Child Fatality Review Teams consider a child's death preventable if something could have been done (by an individual such as the caregiver or supervisor, or by the community as a whole) that would have prevented the death. The Local Child Fatality Review Team determined that 10 percent of the deaths among Yuma County children could have been prevented (n=3).

During the review of each child's death, teams identify factors believed to have contributed to the death. Although the presence of a contributing factor typically led to the determination that a death was preventable, this was not always the case. For example, the team might have concluded that an unsafe sleep environment (e.g. infant left sleeping on a couch) was a contributing factor in an unexpected infant death. However, the team may not have had sufficient information (e.g. autopsy report, adequate scene investigation) to determine if the death could have been prevented.

In Yuma County, drugs and/or alcohol was a contributing factor for six deaths (19 percent) and lack of supervision was a contributing factor for one death (three percent). More than one factor may have been identified for each death. Table 2 shows the most common factors contributing to the deaths of child residents of Yuma County.

Table 2. Contributing Factors for Deaths Among Children, Yuma County, Arizona 2010		
Factor*	Number	Percent
Substance use	6	19%
Lack of supervision	1	3%
*More than one factor may have been identified for each death		

## CHILD FATALITIES IN YUMA COUNTY COMPARED TO OTHER ARIZONA COUNTIES

This section provides comparisons between the deaths of children who resided in Yuma County and the deaths of children who resided in the remaining 14 Arizona counties. During 2010, 31 children who were residents of Yuma County died, and 810 children died who were residents of the other 14 Arizona counties. Yuma County had a crude rate of 56.2 child deaths per 100,000 residents, a higher rate than the remainder of the state (51.5 deaths per 100,000 residents). Yuma County had a smaller percentage of preventable deaths than the remaining counties. Only 10 percent of the deaths among Yuma County children could have been prevented (n=3), compared to over one-third of child deaths in the remaining counties (34 percent, n=276).

Medical conditions were the leading cause of child deaths in Yuma County (55 percent), and the remainder of Arizona (42 percent). Prematurity accounted for 29 percent of child deaths to Yuma County residents and was also the second leading cause of death for the rest of Arizona (23 percent). Drownings accounted for six percent of the child deaths in Yuma County in 2010 but only four percent for the remainder of Arizona.

There were no motor vehicle crash deaths, poisonings or exposure deaths for Yuma County child residents in 2010. Table 3 shows the leading causes of child deaths for Yuma County compared to the rest of Arizona.

Table 3. Leading Causes of Child Deaths, Yuma County, Arizona 2010			
Yuma County (n=31)		Arizona, Excluding Yuma County (n=810)	
Cause	Percent of Deaths	Cause	Percent of Deaths
Medical	55%	Medical	42%
Prematurity	29%	Prematurity	23%
Drowning	6%	Drowning	4%
Other Injury	6%	Other Injury	2%

In Yuma County, the second largest percentage of deaths was due to accidents (6 percent), a lower percentage than the rest of Arizona where accidents accounted for 18 percent of child deaths. There was a higher percentage of natural deaths in Yuma County (81 percent), compared to the rest of the state (66 percent). Suicides and homicides each accounted for 3 percent of the child deaths in this county in 2010. For the remainder of Arizona, suicides and homicides accounted for three percent and four percent respectively. Table 4 shows deaths among children by manner for Yuma County compared to the rest of Arizona.

Table 4. Deaths Among Children by Manner, Yuma County, Arizona 2010			
Yuma County (n=31)		Arizona, Excluding Yuma County (n=810)	
Manner	Percent of Deaths	Manner	Percent of Deaths
Natural	81%	Natural	66%
Accident	6%	Accident	18%
Suicide	3%	Suicide	3%
Homicide	3%	Homicide	4%
Undetermined	3%	Undetermined	9%
Unknown	3%	Unknown	<1%